

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-284156

(43)Date of publication of application : 27.10.1995

(51)Int.Cl.

H04Q 7/38

H04Q 7/36

(21)Application number : 06-097954

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(22)Date of filing : 13.04.1994

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## (54) PERIPHERAL RECEPTION STATION EQUIPMENT FOR MOBILE COMMUNICATION

### (57)Abstract:

PURPOSE: To provide the peripheral reception station equipment for mobile communication whose size is made small with simple configuration without need for number of receivers by channel number used by a base station.

CONSTITUTION: When a call signal is sent from a mobile station (not shown) to a base station through a control channel, the signal is received by an antenna 21 of the peripheral reception station, a control channel frequency conversion section 23 converts the frequency of the signal into a prescribed frequency and sends the resulting signal from an antenna 22 to the base station. When the base station allocates a channel used for the mobile station, a base station supervisory reception section 25 reads it and informs it to a channel control section 26.

Upon the receipt of the notice, the channel control section 26 selects an idle control section among voice channel frequency control sections 24-1-24-n to provide a command of channel reception. Upon the receipt of a voice channel from the mobile station by the antenna 21, the selected voice channel frequency control section converts the frequency of the signal into other frequency and outputs the resulting signal to the base station from the antenna 22.

